

PTO/SB/01 (05-05)

Approved for use through 07/31/2006, OMB 0551-0032

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# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

04-0220-LOV

First Named Inventor

LOVELL, John S.

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**REGENERABLE HIGH CAPACITY SORBENT  
FOR REMOVAL OF MERCURY FROM FLUE GAS**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(If applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application<br>Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority<br>Not Claimed  | Certified Copy Attached? |                          |
|--|---------|-------------------------------------|--------------------------|--------------------------|--------------------------|
|  |         |                                     |                          | Yes                      | No                       |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/01 (06-03)

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**DECLARATION — Utility or Design Patent Application**

|   |             |   |                      |
|---|-------------|---|----------------------|
| Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number: <span style="border: 1px solid black; padding: 2px;">26357</span>  |             | OR <input type="checkbox"/> Correspondence address below                      |                      |
| Name  |             |   |                      |
| Address   |             |   |                      |
| City  |             | State   | ZIP                  |
| Country   | Telephone   | Fax   |                      |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |             |   |                      |
| NAME OF SOLE OR FIRST INVENTOR:   |             | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                      |
| Given Name<br>(first and middle [if any]) John S.   |             | Family Name<br>or Surname LOVELL  |                      |
| Inventor's Signature <i>John S. Lovell</i>  |             |   | Date<br>Feb 19, 2004 |
| Residence: City<br>Arvada   | State<br>CO | Country<br>USA  | Citizenship<br>USA   |
| Mailing Address<br>ADA Technologies, Inc.<br>8100 Shaffer Parkway, Suite 130  |             |   |                      |
| City<br>Littleton   | State<br>CO | ZIP<br>80127-4107   | Country<br>USA       |
| NAME OF SECOND INVENTOR:  |             | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                      |
| Given Name<br>(first and middle [if any]) Craig S.  |             | Family Name<br>or Surname Turchi  |                      |
| Inventor's Signature <i>Craig S. Turchi</i>   |             |   | Date<br>2/19/04      |
| Residence: City<br>Lakewood   | State<br>CO | Country<br>USA  | Citizenship<br>USA   |
| Mailing Address<br>ADA Technologies, Inc.<br>8100 Shaffer Parkway, Suite 130  |             |   |                      |
| City<br>Littleton   | State<br>CO | ZIP<br>80127-4107   | Country<br>USA       |
| <input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.   |             |   |                      |

PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0831-0032

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**DECLARATION****ADDITIONAL INVENTOR(S)  
Supplemental Sheet**

Page 1 of 1

|  |             |   |                    |
|--|-------------|---|--------------------|
| <b>Name of Additional Joint Inventor, if any:</b>  |             | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                    |
| Given Name (first and middle (if any))             |             | Family Name or Surname  |                    |
| Thomas E.  |             | Broderick   |                    |
| Inventor's Signature <i>Thomas E. Broderick</i>    |             | Date <i>2/19/04</i>   |                    |
| Arvada<br>Residence: City                          | CO<br>State | USA<br>Country  | USA<br>Citizenship |
| ADA Technologies, Inc.<br>Mailing Address          |             |   |                    |
| 8100 Shaffer Parkway, Suite 130<br>Mailing Address |             |   |                    |
| Littleton<br>City                                  | CO<br>State | 80127-4107<br>Zip   | USA<br>Country     |
| <b>Name of Additional Joint Inventor, if any:</b>  |             | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                    |
| Given Name (first and middle (if any))             |             | Family Name or Surname  |                    |
|  |             |   |                    |
| Inventor's Signature                               |             | Date  |                    |
| Residence: City                                    | State       | Country   | Citizenship        |
| Mailing Address                                    |             |   |                    |
| Mailing Address                                    |             |   |                    |
| City   | State       | Zip   | Country            |
| <b>Name of Additional Joint Inventor, if any:</b>  |             | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                    |
| Given Name (first and middle (if any))             |             | Family Name or Surname  |                    |
|  |             |   |                    |
| Inventor's Signature                               |             | Date  |                    |
| Residence: City                                    | State       | Country   | Citizenship        |
| Mailing Address                                    |             |   |                    |
| Mailing Address                                    |             |   |                    |
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PTO/SB/81 (02-01)

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AUTHORIZATION OF AGENT**

|                        |  |
|------------------------|--|
| Application Number     |  |
| Filing Date            |  |
| First Named Inventor   | Lovell, John S.  |
| Title                  | REGENERABLE HIGH CAPACITY ADSORBENT FOR REMOVAL OF MERCURY FROM FLUE GAS |
| Group Art Unit         |  |
| Examiner Name          |  |
| Attorney Docket Number | 04-0223-LOV  |

I hereby appoint:

☒ Practitioners at Customer Number

26357 →

Place Customer  
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Label here
☒ Practitioner(s) named below:

| Name             | Registration Number |
|------------------|---------------------|
| Robert M. Hunter | 42,679              |
|                  |                     |
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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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Number Bar Code  
Label here
☒ Firm or  
Individual Name

Robert M. Hunter

Address Robert M. Hunter PLLC

Address P.O. Box 2709

City Kamuela State HI Zip 96743

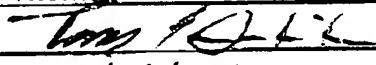
Country USA

Telephone 808-885-4194 Fax 808-885-4114

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
**SIGNATURE of Applicant or Assignee of Record**

|           |   |
|-----------|---|
| Name      | Thomas E. Broderick   |
| Signature |  |
| Date      | 2/19/04   |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 3 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

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|                        |   |
|------------------------|---|
| Application Number     |   |
| Filing Date            |   |
| First Named Inventor   | Lovell, John S.   |
| Title                  | RECHARGEABLE HIGH CAPACITY 30% BENT<br>FOR REMOVAL OF MERCURY FROM PLUS GAS |
| Group Art Unit         |   |
| Examiner Name          |   |
| Attorney Docket Number | 04-0223-LOV   |

I hereby appoint:

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| Name             | Registration Number |
|------------------|---------------------|
| Robert M. Hunter | 42,679              |
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Individual Name

Robert M. Hunter

Address

Robert M. Hunter PLLC

Address

P.O. Box 2709

City

Kamuela

State

HI

Zip

96743

Country

USA

Telephone

808-885-4194

Fax

808-885-4114

I am the:

☒ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name

Craig S. Turchi

Signature

Date

2/19/04

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 3 forms are submitted.

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PTO/SB/81 (02-01)

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|                        |  |
|------------------------|--|
| Application Number     |  |
| Filing Date            |  |
| First Named Inventor   | Lovell, John S.  |
| Title                  | REASONABLE HIGH CAPACITY SUBMIT<br>FOR REMOVAL OF EMERGENCY FROM FILE ONLY |
| Group Art Unit         |  |
| Examiner Name          |  |
| Attorney Docket Number | 04-0223-LOV  |

I hereby appoint:

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OR

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| Name             | Registration Number |
|------------------|---------------------|
| Robert M. Hunter | 42,679              |
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|---|-----------------------|-------|--------------|-----|-------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Robert M. Hunter      |       |              |     |       |
| Address   | Robert M. Hunter PLLC |       |              |     |       |
| Address   | P.O. Box 2709         |       |              |     |       |
| City  | Kamuela               | State | HI           | Zip | 96743 |
| Country   | USA                   |       |              |     |       |
| Telephone   | 808-885-4194          | Fax   | 808-885-4114 |     |       |

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/86).
**SIGNATURE of Applicant or Assignee of Record**

|           |                       |
|-----------|-----------------------|
| Name      | John S. Lovell        |
| Signature | <i>John S. Lovell</i> |
| Date      | February 19, 2004     |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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